

What is claimed is:

1. A method of maintaining an air and water reservoir within a closed, sealed planter pot, the method comprising the steps of:

positioning a porous and permeable water and air holding structure capable of holding air within the material in a completely submerged water condition within a closed and sealed portion of the planter pot such that roots of a plant located above the material can grow into the porous and permeable water and air holding structure and access air and water.

2. The method of claim 1 further comprising the step of:

adding drain holes to the closed sealed planter pot at a level where conventional potting soil of a planted plant interfaces with the upper surface of the porous and permeable water and air holding structure, so as to allow the conventional potting soil to be in a constantly drained state and the porous and permeable water and air holding structure to be in a state sealed from drainage.

3. The method of claim 2 further comprising the step of:

creating drain holes at a level where conventional potting soil of a planted plant interfaces with the upper surface of the porous and permeable water and air holding structure by providing air and water tight passages which extend from the bottom of the porous and permeable water and air holding structure to the soil interface, providing an open channel from the bottom of the soil layer to the bottom of the pot while maintaining the permeable water and air holding structure in a sealed state from drainage.

4. A method of planting a plant within a planter pot, the method comprising the steps of:
placing a plant directly onto a porous and permeable water and air holding structure which is located within a sealed pot.
5. A method of planting a plant with a planter pot, the method comprising the steps of:
placing a plant into a receiving pocket within a porous and permeable water and air holding structure with a sealed pot.
6. The method of claim 4 further comprising the step of:
placing a decorative cover material on top of the porous and permeable water and air holding structure.
7. The method of claim 5 further comprising the step of:
placing a decorative cover material on top of the porous and permeable water and air holding structure.
8. The method of claim 1 further comprising the step of:
adding a water supply conduit to charge into the sealed a porous and permeable water and air holding structure at a controlled rate to provide water to the roots of the plant growing into the porous and permeable water and air holding structure.
9. A planter pot water and air holding apparatus incorporated into a sealed, water tight planter pot, the apparatus comprising:
a sealed water tight planter pot; and
a porous and permeable water and air holding structure capable of holding air within the material in a completely submerged water condition within a closed and sealed portion of the planter pot.

10. The apparatus of claim 9 in which the porous and permeable water and air holding structure capable of holding air within the material in a completely submerged is selected from a group consisting of an open cell foam material, non-reticulated or reticulated, a reticulated material , and a granular material.

11. The apparatus of claim 10 where the material is polyether polyurethane open cell, non-reticulated material.

12. The apparatus of claim 9 further comprising;

adding drain holes to the closed sealed planter pot at a level where conventional potting soil of a planted plant interfaces with the upper surface of the porous and permeable water and air holding structure, so as to allow the conventional potting soil to be in a constantly drained state and the porous and permeable water and air holding structure to be in a state sealed from drainage.

13. The apparatus of claim 12 further comprising:

at least one drain hole at a level where conventional potting soil of a planted plant interfaces with the upper surface of the porous and permeable water and air holding structure by providing air and water tight passages which extend from the bottom of the porous and permeable water and air holding structure to the soil interface, providing a open channel from the bottom of the soil layer to the bottom of the pot while maintaining the permeable water and air holding structure in a sealed state from drainage.

14. The apparatus of claim 9 further comprising:

adding a water supply conduit to charge into the sealed porous and permeable water and air holding structure at a controlled rate to provide water to the roots of the plant growing into the porous and permeable water and air holding structure.

15. The apparatus of claim 14 further comprising:

a flow controlled emission device inserted into the sealed porous and permeable water and air holding structure attached to the water supply conduit.